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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/611,827	07/01/2003	Sandor Nagy	88-2040A	3050		
24114	7590 07/18/2005		EXAM	EXAMINER		
	CHEMICAL COMPAN	LEE, RIP A				
	CHESTER PIKE SQUARE, PA 19073		· ART UNIT	PAPER NUMBER		
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DATE MAILED: 07/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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			Application No.	Applicant(s)	- fl			
Office Assistant Communication			10/611,827	NAGY ET AL.				
	Office Action Summary		Examiner	Art Unit				
			Rip A. Lee	1713				
Period f	The MAILING DATE of this communicator Reply	ation appe	ars on the cover sheet w	th the correspondence address -	•			
THE - Exte after - If the - If NC - Failt Any	IORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNIC, insions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this communication of the period for reply specified above is less than thirty (30) of period for reply is specified above, the maximum statute ure to reply within the set or extended period for reply will reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	ATION. 37 CFR 1.136(ication. lays, a reply w ory period will l, by statute, ca	a). In no event, however, may a within the statutory minimum of thin apply and will expire SIX (6) MON ause the application to become Al	eply be timely filed by (30) days will be considered timely. THS from the mailing date of this communical SANDONED (35 U.S.C. § 133).	ation.			
Status								
1)⊠	Responsive to communication(s) filed	on <u>13 Ma</u> y	√2005.					
2a) <u></u>	_	-	ction is non-final.					
3)□	Since this application is in condition for closed in accordance with the practice		\$	· · · · · · · · · · · · · · · · · · ·	s is			
Disposit	ion of Claims		100					
5)	Claim(s) <u>6,7,12-15 and 19-22</u> is/are per 4a) Of the above claim(s) is/are Claim(s) is/are allowed. Claim(s) <u>6 and 7</u> is/are rejected. Claim(s) <u>12-15 and 19-22</u> is/are object Claim(s) are subject to restriction	withdrawn	from consideration.					
Applicat	ion Papers		•		•			
9)[The specification is objected to by the E	xaminer.						
10)	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
	Applicant may not request that any objection	n to the dra	awing(s) be held in abeyar	ce. See 37 CFR 1.85(a).				
11)	Replacement drawing sheet(s) including the The oath or declaration is objected to be				• •			
Priority (ınder 35 U.S.C. § 119							
12)□ a)l	Acknowledgment is made of a claim for All b) Some * c) None of: 1. Certified copies of the priority do 2. Certified copies of the priority do 3. Copies of the certified copies of application from the International See the attached detailed Office action from	cuments h cuments h the priority I Bureau (nave been received. nave been received in A documents have been PCT Rule 17.2(a)).	pplication No received in this National Stage				
Attachmen	t(s)	•						
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO	0483	4) Interview S	ummary (PTO-413))/Mail Date				
3) 🔲 Inforr	e of Draftsperson's Patent Drawing Review (PTO mation Disclosure Statement(s) (PTO-1449 or PTo r No(s)/Mail Date			formal Patent Application (PTO-152)				

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DETAILED ACTION

This office action follows a response filed on May13, 2005. Claims 6, 7, 12-15, and 19-22 are pending. The indicated allowability of claims 6 and 7 has been withdrawn in view of the newly discovered reference to Rieser *et al.* (U.S. 5,698,758). Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 103\

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - 1. Determining the scope and contents of the prior art.
 - 2. Ascertaining the differences between the prior art and the claims at issue.
 - 3. Resolving the level of ordinary skill in the pertinent art.
 - 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
- 3. Claims 6 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lynch et al. (U.S. Patent No. 6,759,361) in view of Rieser et al. (U.S. 5,698,758).

Lynch *et al.* teaches a process for polymerizing olefins in the presence of a catalyst comprising a Gp 3-10 transition metal and at least one indenoindolyl ligand bonded to the metal, an activator which is a reaction product of an alkylaluminum compound and an organoboronic acid (*i.e.*, aluminoboronate), and an aluminum phosphate support (claim 13 and general text). The patent is silent with regard to the composition of said aluminum phosphate support.

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Rieser et al. teaches use of aluminum phosphate as a support material for polymerization catalysts. The support has a surface area of 100-300 m²/g, and the phosphorus to aluminum molar ratio is in the range of 0.9:1 to 1:1 (see abstract and claim 1).

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One having ordinary skill in the art would have found it obvious to use the aluminum phosphate support of Rieser et al. in the invention of Lynch et al. and thereby arrive at the subject matter of instant claims 6 and 7, and one would have expected such an embodiment to work. The combination is obvious because Lynch et al. prescribes use of aluminum phosphate support for olefin polymerization, and Rieser et al. discloses a specific species of aluminum. phosphate support for polymerization catalysts; and one of ordinary skill in the art would have expected all species of a genus to work successfully.

- Claims 12-15, and 19-22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The claims describe specific structures of bridged indenoindolyl complexes which are not disclosed in Lynch et al. One of ordinary skill in the art would not have found it obvious to arrive at the subject matter of these claims based on the general disclosure of Lynch et al.
- 5. The obviousness-type double patenting as being unpatentable over claims copending Application No. 10/806,503 (corresponding to U.S. 2004/0181017) has been overcome by amendment.

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6.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rip A. Lee whose telephone number is (571)272-1104. The examiner can be reached on Monday through Friday from 9:00 AM - 5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu, can be reached at (571)272-1114. The fax phone number for the organization where this application or proceeding is assigned is (703)872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on the access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll free).

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July 12, 2005

DAVID W. WU SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1700